

# Anti-Theft Device

## Abstract

An anti-theft tag that uses single or dual detacher arms. A first detacher arm moves a locking arm aside such that a release arm can rotate to separate the arms of a C-clip that secures the pin on the securing member. Either the first detacher arm, or an alternative second detacher arm then presses the release arm to rotate it. When the release arm is rotated, a wedge on the release arm exerts pressure against the arms of the C-clip to force them apart which causes the securing member pin to be released. The securing member pin cannot be released by the anti-theft tag unless the detacher arms are inserted in sequence. An alternative anti-theft tag provides spring loaded door button at the entrance to the detacher arm chamber. The door button guides an unauthorized tag pick away from the entrance to the detacher arm chamber and routes it toward a dead-end. The detacher arm will press a spring loaded door button to an open position and allow access of the detacher arm into the detacher arm chamber. Once inside the chamber, the detacher arm will press open the sliding clip which secures the anti-theft tag to its securing member.